

## A REQUEST TRACKING DATA PREFETCHER APPARATUS

### ABSTRACT OF THE DISCLOSURE

A request tracking data prefetch apparatus for a computer system. The apparatus  
5 includes a prefetcher coupled to a memory of the computer system. A tracker is coupled to  
the prefetcher, and is configured to recognize an access to a plurality of cache lines of the  
memory by a processor of the computer system. A cache memory is coupled to the  
prefetcher. The prefetcher predictively loads a target cache line of the memory into the cache  
memory to reduce an access latency of the processor. The target cache line for the predictive  
10 load is indicated by the tracker.